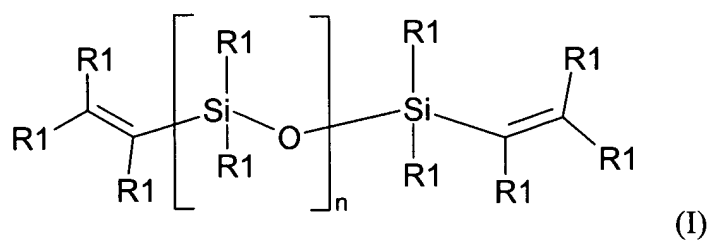


CLAIMS

We claim:

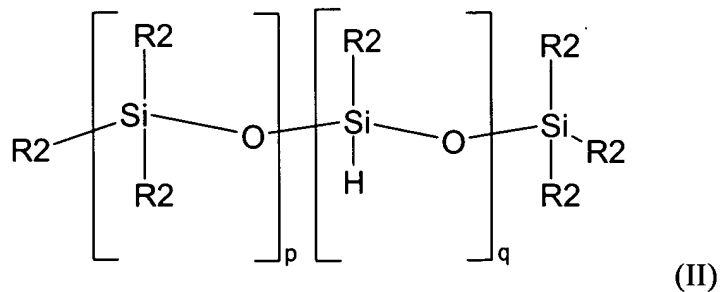
1. A cross-linked silicone gel substantially free of SiO_2 groups, substantially free of $\text{SiO}_{1.5}$ groups, and substantially free of polyalkyleneoxide groups, comprising a cross-linked polymerization product of

(A) an α,ω -di loweralkenyl terminated polyorganosiloxane of formula I



having a molecular weight of about 20,000 to about 25,000 with n being about 265 to about 340 and each R1 being independently H, or an alkyl group of 1 or 3 carbons and

(B) a polyorganohydrosiloxane of formula II



where the molecular weight of reactant II is about 3500 to 4000; q is about 5 to about 9; p is about 40 to about 50, and each R₂ is independently an alkyl of 1-3 carbon atoms;

said polymerization product being polymerized in the presence of a medium selected from the group consisting of low viscosity silicone oils, hydrocarbon oils, and mixtures thereof; and

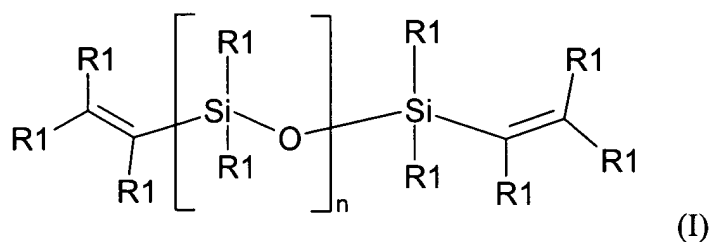
(C) said medium.

2. The silicone gel of claim 1 wherein after said polymerization, said gel is milled in the swollen stage.
3. The silicone gel of claim 1 wherein after said polymerization, said gel is milled in the swollen stage in a colloid mill.
4. The silicone gel of claim 1 wherein comprising about 3% to about 15% of said polymer and about 97% to about 85% of said medium.
5. The silicone gel of claim 1 which is further diluted with a diluent selected from the group consisting of low viscosity silicone oils, hydrocarbon oils, lower alkanols, and mixtures thereof.
6. A cosmetic formulation comprising about 65% to about 99.9% of the gel of claim 1, about 0.1% to about 30% of at least one cosmetically acceptable ingredient which cosmetic ingredient is not a low viscosity silicone oil, a hydrocarbon oil, or a lower alkanol, or mixtures thereof; and up to about 10% of a diluent selected from the group consisting of low viscosity silicone oils, hydrocarbon oils, and lower alkanols.

7. A method of making a clear silicone gel comprising

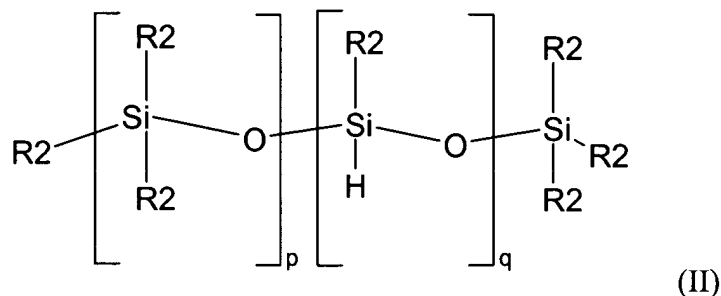
- (A) polymerizing in the presence of a hydrosilylation polymerization catalyst and a medium selected from the group consisting of low viscosity silicone oil, hydrocarbon oil, and a mixture thereof

- (1) an α,ω -di loweralkenyl terminated polyorganosiloxane of formula I



having a molecular weight of about 20,000 to about 25,000 with n being about 265 to about 340 and each R1 being independently H, or an alkyl group of 1 or 3 carbons and

- (2) a polyorganohydrosiloxane of formula II



where the molecular weight of reactant II is about 3500 to 4000; q is about 5 to about 9; p is about 40 to about 50; and each R2 is independently an alkyl having 1-3 carbon atoms;

- (B) milling the result of said polymerization; and

- (C) optionally diluting the result of step (B) with a diluent selected from the group consisting of low viscosity silicone oils, hydrocarbon oils, and lower alkanols.
8. The process of claim 7 wherein said polymerization takes place initially with mixing and said mixing is halted when gelling is visibly seen.
 9. The process of claim 7 wherein said milling step takes place in a colloid mill in the swollen stage.
 10. The process of claim 7 wherein said polymerization reaction includes a hydrosilylation reaction catalyst.
 11. The process of claim 10 wherein said hydrosilylation catalyst is zero valent platinum divinyl complex.
 12. The process of claim 10 wherein said polymerization reaction takes place at about 20°C. to about 50°C.
 13. The process of claim 7 wherein said reaction is permitted to proceed for at least 2 hours.
 14. The process of claim 7 wherein said reaction is permitted to proceed for at least 3 hours.
 15. The process of claim 7 wherein said reaction is permitted to proceed for at least 4 hours.
 16. The process of claim 7 wherein said polymerization reaction is permitted to take place in the substantial absence of shearing forces.
 17. The process of claim 7 further comprising adjusting the viscosity of gel by diluting said gel with a diluent selected from the group consisting of low viscosity silicone oils, hydrocarbon oils, and lower alkanols to result in a diluted gel.

18. The process of claim 17 further comprising passing said diluted gel through a colloid mill.
19. The gel resulting from the process of claim 7.
20. The gel resulting from the process of claim 9.
21. The gel resulting from the process of claim 17.
22. The gel resulting from the process of claim 18.
23. A cosmetic composition incorporating said gel of claim 1.
24. A cosmetic composition incorporating the gel resulting from the process of claim 7.
25. A cosmetic composition incorporating the gel resulting from the process of claim 9.
26. A cosmetic composition incorporating the gel resulting from the process of claim 17.
27. A cosmetic composition incorporating the gel resulting from the process of claim 18.
28. The gel of claim 1 which is substantially clear.
29. The gel of claim 22 which is substantially clear.
30. A method of use of the gel of claim 1 comprising applying said gel to a rubber or rubber-like surface.
31. The method of claim 30 wherein said rubber or rubber-like surface is a member selected from the group consisting of tires, sealing rings, gaskets, weatherstripping, and caulking.
32. The method of claim 31 wherein said rubber or rubber-like surface is an automotive tire.
33. A composition comprising the gel of claim 1 along with components suitable for application to rubber or rubber-like surfaces.